CLAIMS

1.   A synchronization processing apparatus comprising:

a delay profile generator that creates a delay profile of a communicating party from a received signal;

5   a communication stop period determiner that determines a temporary communication stop period from a parameter that indicates said communication stop period to the communicating party;

a timing controller that sets a delay profile

10 creation timing for the communicating party such that the communication stop period of the communicating party determined by the communication stop period determiner and a delay profile creation period for the communicating party in the delay profile generator do not overlap; and

15   a path searcher that detects a receiving timing where the delay profile has a peak.

2.   The synchronization processing apparatus of claim 1, wherein:

20   the delay profile generator divides time every plurality of channels and creates delay profiles; and

the timing controller sets delay profile creation timings on a per channel basis.

25 3.   The synchronization processing apparatus of claim 1, wherein:

the delay profile generator divides time every

plurality of sectors and creates delay profiles; and

the timing controller sets delay profile creation

timings on a per sector basis.

5   4.   The synchronization processing apparatus of claim

1, further comprising receivers provided respectively

for the plurality of sectors, wherein the timing

controller switches between the receivers by means of

a switch and sets delay profile creation timings.

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5.   The synchronization processing apparatus according

to claim 1, wherein, when the communicating party searches

for a base station apparatus of a handover destination,

the   communicating   party   stops   transmission   and

15 communicates with the base station apparatus in the

communication stop period.

6.   A receiving apparatus having a synchronization

processing apparatus, said synchronization processing

20 apparatus comprising:

a delay profile generator that creates a delay

profile of a communicating party from a received signal;

a   communication   stop   period   determiner   that

determines a temporary communication stop period from

25 a parameter that indicates said communication stop period

to the communicating party;

a timing controller that sets a delay profile

creation timing for the communicating party such that the communication stop period of the communicating party determined by the communication stop period determiner and the delay profile creation timing for the communicating party in the delay profile generator do not overlap; and

a path searcher that detects a receiving timing where the delay profile has a peak.

7. A synchronization processing method comprising the steps of:

creating a delay profile of a communicating party from a received signal;

determining a temporary communication stop period from a parameter that indicates said communication stop period to the communicating party;

setting a delay profile creation timing for the communicating party such that the communication stop period of the communicating party determined by the communication stop period determiner and a delay profile creation period for the communicating party in the delay profile generator do not overlap; and

detecting a receiving timing where the delay profile has a peak.